

IOWA STATE UNIVERSITY

Digital Repository

Iowa State Research Farm Progress Reports

2002

Strawberry Variety Trial

Patrick O'Malley
Iowa State University

Kevin Van Dee
Iowa State University

Follow this and additional works at: http://lib.dr.iastate.edu/farms_reports



Part of the [Agricultural Science Commons](#), and the [Agriculture Commons](#)

Recommended Citation

O'Malley, Patrick and Van Dee, Kevin, "Strawberry Variety Trial" (2002). *Iowa State Research Farm Progress Reports*. 1684.
http://lib.dr.iastate.edu/farms_reports/1684

This report is brought to you for free and open access by Iowa State University Digital Repository. It has been accepted for inclusion in Iowa State Research Farm Progress Reports by an authorized administrator of Iowa State University Digital Repository. For more information, please contact digirep@iastate.edu.

Strawberry Variety Trial

Abstract

Several new strawberry varieties have been released in the last several years through USDA breeding programs. The purpose of this multiyear study is to compare the performance of these newer varieties against current varieties widely used in Iowa, under soil and environmental conditions existing at the Southeast Research and Demonstration Farm.

Disciplines

Agricultural Science | Agriculture

Strawberry Variety Trial

Patrick O'Malley, extension commercial
horticulture field specialist
Kevin Van Dee, superintendent

practices were used, including mulching for
winter protection.

Introduction

Several new strawberry varieties have been released in the last several years through USDA breeding programs. The purpose of this multiyear study is to compare the performance of these newer varieties against current varieties widely used in Iowa, under soil and environmental conditions existing at the Southeast Research and Demonstration Farm.

Materials and Methods

The strawberry trial consists of nine June-bearing varieties, including the newer varieties *Primetime*, *Mohawk*, *Winona*, and *Delmarvel*. The trial was planted on April 25, 1998. Standard cultivation

Results and Discussion

For this third year harvest (2001), *Kent*, an industry standard, had the highest yield but only the sixth-largest berry size. *Primetime* appeared to be the most promising new variety, its yield being fifth in 1999, fourth in 2000, and fifth in 2001. *Mohawk* may have potential as an early berry, but, unfortunately, even the king berry has a relatively small size. *Winona* might be a quality late-season berry, but it was the third-lowest yielder. Based on this year's trial, *Cavendish* and *Jewel* were the two varieties that performed best in both yield and berry size.

Acknowledgments

Strawberry plants were provided by Indiana Berry & Plant Co., Huntingburg, Indiana.

Table 1. 2001 Strawberry variety, yield, and berry weight at the Southeast Farm, Crawfordsville, Iowa.

| Variety | Yield lbs/acre | Avg. berry weight (g)* | Harvest dates |
|-----------|-------------------|---------------------------|---------------|
| Kent | 21,935 | 14.5 | 6/08–6/25 |
| Cavendish | 18,205 | 19.4 | 6/04–6/25 |
| Honeyoye | 13,590 | 10.6 | 6/08–6/22 |
| Primetime | 14,680 | 15.8 | 6/08–6/25 |
| Jewel | 15,935 | 18.6 | 6/08–6/25 |
| Mohawk | 9,635 | 10.7 | 6/01–6/15 |
| Annapolis | 15,030 | 17.6 | 6/01–6/22 |
| Delmarvel | 9,530 | 15.9 | 6/04–6/20 |
| Winona | 10,450 | 11.0 | 6/15–6/25 |

Means of three replications. * Average weight from first three harvests.

STRAWBERRY VARIETY TRIAL: 1999-2001

